



SCOTT M. MATHESON  
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NATURAL RESOURCES

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Director

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

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November 23, 1979

Mr. Joseph Harvey  
Blazon Mining Company  
P.O. Box 327  
Ferron, Utah 84523

RE: Culvert Sizing  
Blazon #1  
Blazon Mining Company  
Carbon County, Utah  
ACT/007/021

Dear Mr. Harvey:

After our meeting of November 7, 1979, the site of the proposed Blazon #1 operation was visited and the locations of the proposed culverts were inspected. Calculations were also reworked to reflect the changes we discussed in the November 7, 1979 meeting. The computer calculations are enclosed.

The results indicate that the:

1. Bypass culvert under the pad be sized to handle a peak discharge of 294 CFS from the 50 year-24 hour storm. This would require the use of:
  - a. one 84 inch or greater Round C.M.P. Culvert, or
  - b. one 7'0" x 5'1" (span x height) or greater C.M.P.A. Culvert, or
  - c. two 60 inch or greater Round C.M.P. Culverts.
2. Long Canyon Crossing Culvert be sized to handle a peak discharge of 87 CFS from the 10 year-24 hour storm. This would require the use of a 54 inch or greater Round C.M.P. Culvert.

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I hope this information is helpful to you. If you have any questions, please contact the Division.

Sincerely,



THOMAS J. SUCHOSKI  
RECLAMATION HYDROLOGIST

Enclosure: Computer Printout

cc: Don Crane, O.S.M., Region V

TJS/te